

## INTERNATIONAL SEARCH REPORT

Internq Application No  
PCT/JP2004/052855

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04R3/02 H04M9/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R H04M G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 796 819 A (ROMESBURG ET AL) 18 August 1998 (1998-08-18) abstract column 9, line 50 - column 12, line 55; figures 3-6 column 16, line 62 - column 17, line 20 -----	1,2,4,5, 7,8
A	WO 97/45995 A (PHILIPS ELECTRONICS N.V; PHILIPS NORDEN AB) 4 December 1997 (1997-12-04) cited in the application the whole document -----	1,5,7,8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

29 April 2005

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12/05/2005

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